

## Product datasheet for **RC207563A1V**

### Human Enkephalin (PENK) (NM\_006211) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human Enkephalin (PENK) (NM_006211) AAV Particle                  |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | Enkephalin                                                        |
| Synonyms:                 | enkephalin A; preproenkephalin; proenkephalin                     |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC207563 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGCGGTTCTGACACTTTGCACTTGGCTGCTGTTGCTCGGCCCGGGCTCCTGGCGACCGTGCGGG  
CCGAATGCAGCCAGGATTGCGCGACGTGCAGCTACCGCCTAGTGCGCCCGGCCGACATCAACTTCCTGGC  
TTGCGTAATGGAATGTGAAGTAACTGCCTTCTCTGAAAATTTGGGAAACCTGCAAGGAGCTCCTGCAG  
CTGTCCAACCCAGAGCTTCTCAAGATGGCACCAGCACCTCAGAGAAAATAGCAAACCGGAAGAAAGCC  
ATTTGCTAGCCAAAAGGTATGGGGCTTCATGAAAAGGTATGGAGGCTTCATGAAGAAAATGGATGAGCT  
TTATCCCATGGAGCCAGAAGAAGAGGCCAATGGAAGTGAGATCCTCGCCAAGCGGTATGGGGGCTTCATG  
AAGAAGGATGCAGAGGAGGACGACTCGCTGGCCAATTCCTCAGACCTGCTAAAAGAGCTTCTGGAACAG  
GGGACAACCGAGAGCGTAGCCACCACCAGGATGGCAGTGATAATGAGGAAGAAGTGAGCAAGAGATATGG  
GGGCTTCATGAGAGGCTTAAAGAGAAGCCCCCACTGGAAGATGAAGCCAAAGAGCTGCAGAAGCGATAT  
GGGGGCTTCATGAGAAGAGTAGGTGCGCCAGAGTGGTGGATGGACTACCAGAAACGGTATGGAGGTTTCC  
TGAAGCGCTTTGCCGAGGCTCTGCCCTCCGACGAAGAAGGCGAAAGTTACTCAAAGAAGTTCCTGAAAT  
GGAAAAAAGATACGGAGGATTTATGAGATTT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC207563 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MARFLTLCTWLLLLGPGLLATVRAECSQDCATCSYRLVRPADINFLACVMECEGKLPSLKIWETCKELLQ<br/>LSKPELPQDGTSTLRENSKPEESHLLAKRYGGFMKRYGGFMKKMDELYPMEPEEEANGSEILAKRYGGFM<br/>KKDAEEDDSLANSDDLKELLETDGDNRRSHHQDGSNDEEVSKRYGGFMRGLKRSPQLEDEAKELQKRY<br/>GGFMRRVGRPEWMDYQKRYGGFLKRFAEALPSDEEGESYSKEVPEMEKRYGGFMRF</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                                                         |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:             | NM_006211                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:         | 801 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Buffer:           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Stability:        | AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus. |
| RefSeq:           | <u>NM_006211.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:      | 1221 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:       | 804 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Locus ID:         | 5179                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cytogenetics:     | 8q12.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MW:               | 30.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |